

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

DUPLICATE COPY

Date of Report: December 11, 1995
Date Received: November 30, 1995
Project: Metro Self Monitor, PO #M51487
Date Samples Extracted: December 6, 1995
Date Extracts Analyzed: December 7, 1995

**RESULTS FROM THE ANALYSIS OF THE PROCESS WATER SAMPLE
FOR CHROMIUM, COPPER, NICKEL AND ZINC**

Samples Processed Using Method 3005

Results Reported as mg/L (ppm)

<u>Sample ID</u>	<u>Chromium</u>	<u>Copper</u>	<u>Nickel</u>	<u>Zinc</u>
M51487	0.82	0.52	0.45	0.10
Method Blank	<0.05	<0.05	<0.05	<0.05

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**QUALITY ASSURANCE RESULTS
FOR CHROMIUM, COPPER, NICKEL AND ZINC**

Laboratory Code: 64398 (Duplicate)

Analyte:	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	mg/L (ppm)	0.82	0.76	8	0-20
Copper	mg/L (ppm)	0.52	0.46	12	0-20
Nickel	mg/L (ppm)	0.45	0.38	17	0-20
Zinc	mg/L (ppm)	0.10	0.09	11	0-20

Laboratory Code: 64398 (Matrix Spike)

Analyte:	Reporting Units	Spike Level	Sample Result	% Recovery MS MSD		Acceptance Criteria	Relative Percent Difference
Chromium	mg/L (ppm)	5	0.82	95	95	80-120	0
Copper	mg/L (ppm)	5	0.52	87	89	80-120	2
Nickel	mg/L (ppm)	10	0.45	96	94	80-120	2
Zinc	mg/L (ppm)	5	0.10	98	98	80-120	0

Laboratory Code: Spike Blank

Analyte:	Reporting Units	Spike Level	% Recovery MS	Acceptance Criteria
Chromium	mg/L (ppm)	5	102	80-120
Copper	mg/L (ppm)	5	96	80-120
Nickel	mg/L (ppm)	10	101	80-120
Zinc	mg/L (ppm)	5	103	80-120

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Andrew John Friedman
James E. Bruya, Ph.D.
(206) 285-8282

3012 16th Avenue West
Seattle, WA 98119-2029
FAX: (206) 283-5044

December 11, 1995

Gerry Thompson, Project Leader
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

Dear Mr. Thompson:

Enclosed is a duplicate copy of the report from the testing of material submitted on November 30, 1995 from your Metro Self Monitor, PO #M51487 project.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Kurt Johnson
Chemist

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Enclosures
FAX: 382-7335
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